Beijing Dorland System Control Technology Co., Ltd.	Room1107, Tower B, Tsinghua Tongfang Technology Square, No.1 Wangzhuang Road, Haidian District, Beijing, P.R.China	Tel: +86-10-62198496 Fax: +86 010 62985217	www.dorland-tech.com tian@dorland.com.cn

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Dorland Explosion Proof HD video camera Ex HDV 100i

Dorland System Control Technology Co., Ltd. has launched the latest intrinsically safe industrial explosion-proof 5K camera Ex HDV 100i, which uses 5K image quality, Sony CMOS photosensitive chip, 48 million pixels, high-resolution true color restoration and instant, built-in 6-axis physical anti shake system, 16 times digital zoom lens, clearly presents the near and far scenes, has its own WiFi, one click sharing, embedded hot shoe interface, and can adapt to various professional equipment.

In addition, it is also suitable for outdoor construction, pipeline patrol inspection, etc., and can cooperate with OA office system, patrol positioning system, data acquisition system and other applications. It is especially suitable for the harsh environment of dangerous explosion, such as petroleum, chemical industry, pharmacy, oil depot, tank farm and other dangerous places with combustible and explosive gases, so that users can communicate with production and dispatching in a timely manner.

Marking: Ex ic IIC T4 Gc / Ex ic IIIC T130℃ Dc

Certificate No.: SYEx24.01243X

Protection Grade: IP20

**Video Resolution up to 5K 30FPS

**up to 48MP Interpolation

**With IR fill light

**3.0 inch capacitive touch screen

**WIFI wireless transmission

**Support for HDMI

**Six-axis anti-shaking

**Remote operation

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Certificate parameters	
Ex Marking	Ex ic IIC T4 Gc / Ex ic IIIC T130℃ Dc
Certificate No.	SYEx24.01243X
IP Grade	IP20

Specification parameters		
Main specs for DV		**Video Resolution up to 5K 30FPS **up to 48MP Interpolation **With IR fill light **3.0 inch capacitive touch screen **WIFI wireless transmission **Support for HDMI **Six-axis anti-shaking **Remote operation
Hot shoe function		Support for external microphone
Image Sensor		8 megapixels CMOS sensor(up to 48MP Interpolation)
Image Resolution		48M (8000 × 6000); 36M (6880 × 5160); 24M (5600 × 4200); 20M (5120 × 3840); 16M (4640 × 3480);12M (4032 × 3024); 8M (3264 × 2448);5M (2592 × 1944)
Video Resolution		5K 30FPS; 4K 30FPS;2.7K 30FPS;1080P 60FPS; 1080P 30FPS;720P 60FPS; 720P 30FPS
Lens angle		88°
File format	Photo	JPG
	Video	MP4
LCD screen		3.0 inch IPS display, capacitive touch, 270 degrees rotation
Memory card		Flash memory: N/A
		External Memory: SD Card slot (up to 256GB),Support SDXC C10 U1 level and above
Cache		2Gb DDR3
USB		Type C USB2.0
Power		High-capacity rechargeable lithium battery 2000mAh，3.7VDC
Camera lens		Ff (F/2.2 f=3.37mm)
Expanded memory card		SD Card slot (up to 256GB),Support SDHC class 10 U1
Microphone input		Support
Operation	Self timer	Single beat / 2 Sec / 5 Sec / 10 Sec
	LED Fill Light	YES
	Exposure	Auto, Exposure compensation: ±2.0EV

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	Control	
	Zoom	16x digital zoom
	Auto Power On	Turn on the camera synchronously when the screen is turned on
	Power Save	Off / 1min / 3mins / 5mins
	Date seting	Off / On / Set date
	Metering	Center/Multi/Spot
	White Balance	Auto / Daylight / Cloudy / Tungsten light/Fluorescent(H) /Fluorescent(L)
	Photo	Photo/Self Timer/Photo Burst/Timelapse Photo
	Video	Video/Slow Motion/Loop Record/Timelapse Video
Shotting distance		1m to infinity
ISO Sensitivity		Auto /100/200/400/800600/3200
Shutter speed		1/2Sec-1/3840Sec
Computer recommend the system configuration	PC system	Windows 7/Windows 8/Windows 10/Windows 11
	CPU	Intel Pentium 2.8GHz CPU or higher(3GHz recommended)
	SDRAM RAM	At least 1GB of　RAM or higher(3GB recommended)
	Video card	At least 64MB or greater video card
	USB	Standard USB 1.1 port or higher
		Note: A USB may enable you to transfer files to and from your host PC, but transfer speeds may be much faster with a USB2.0 port
	PC Accessibility	Web camera
Battery life		Taking Video≤ 90mins, taking photos≤ 150mins
Language		English, Simplified Chinese, Traditional Chinese, Japanese, Korean, French, German, Italian, Spanish, Portuguese, Russian, Polish, Vietnamese
Accessories		Manual*1,　USB cable*1, HD cable*1, Charger*1,　Lithium battery*1, Remote control*1, DV bag*1,　Lens cover*1, Lens cleaning cloth*1
Net weight (no battery)		262g
Product size		120*58*60mm

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防爆电气设备
Explosion-proof electrical apparatus

防爆合格证
Conformity certificate of Explosion-proof

	证书编号 Certificate No.	SYEx24.01243X

制造商 Manufacturer	北京德兰系统控制技术有限公司
地址 Address	北京市海淀区王庄路 1 号院 2 号楼 10 层 11-A1
生产企业 Factory	北京德兰系统控制技术有限公司
地址 Address	北京市海淀区王庄路 1 号院 2 号楼 10 层 11-A1
产品名称 Name of product	本安型工业级防爆摄像机
型号规格 Type specification	Ex HDV 100i
防爆标志 Ex-marking	Ex ic ⅡC T4 Gc; Ex ic ⅢC T130℃ Dc
产品标准 Product standards	Q/DLM14-2023
图样编号 Drawing No.	Ex HDV 100i.00
备注 Note	1. 产品使用两节 102535 锂电池（DC3.7V，1000mAh）并联供电，电池与内部电路浇封一体。 2. 严禁于危险场所充电、拆卸及使用插口。 3. 使用环境温度：-20℃≤Ta≤+60℃。 4. 标称电压：DC3.7V。

经对上述产品图样及技术文件的审查和样品检验，确认符合下列标准：
According to the above examination of product designs drawings and technical documents, and sample inspection, it has been confirmed that the following standards are met:

GB/T 3836.1-2021　爆炸性环境 第 1 部分：设备 通用要求
GB/T 3836.4-2021　爆炸性环境 第 4 部分：由本质安全型"i"保护的设备

批准
Approved by

发证日期 Date of issue	2024-03-26	证书有效期至 Valid date	2029-03-25

机械工业低压防爆电器产品质量监督检测中心
Machinery industry Product Quality Supervisory and Test Center of Low-voltage Explosion-proof Electrical Product
沈阳电气传动研究所（有限公司）
Shenyang Electrical Drive Research Institute(Co.,Ltd)

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证书查询网址 Query URL：www.fbdqhy.com	E-mail：sy_ex@sina.com

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